



Indiana NSWC Crane Division

Facility and Location

Naval Surface Warfare Center (NSWC) Crane Division is located in south central Indiana. It provides acquisition, logistics, engineering, testing, and technical material to support fleet weapons and electronic surface combat systems, small arms, ordnance, micro-electric technology, microwave warfare acoustical sensors, and pyrotechnics.

Media Sampled and Findings

Drinking Water — In 2007, three of eight samples detected perchlorate from 0.93 to 1.16 ppb. Prior to 2007, six of seven samples detected perchlorate from 0.05 to 0.46 ppb.

Groundwater — In 2009, one sample reported no detection. Prior to 2007, 1 of 26 samples detected perchlorate at 67 ppb.

Sediment — Prior to 2007, 42 samples reported no detection.

Soil — In 2008, ten samples reported no detection. Prior to 2007, 6 of 210 samples detected perchlorate from 3 to 470 ppb.

Surface Water — In 2011, one sample reported no detection. In 2010, one sample reported no detection. In 2008, three samples reported no detection. Prior to 2007, 26 samples reported no detection.

Wastewater — In 2008, eight of ten samples detected perchlorate from 0.12 to 28.4 ppb. In 2007, 12 of 15 samples detected perchlorate from 0.24 to 35 ppb. Prior to 2007, 11 of 11 samples detected perchlorate from 0.14 to 356 ppb.

Appropriate Actions

Samples were below the EPA and DoD Preliminary Remediation Goal of 15 ppb. Past soil and groundwater samples, however, exceeded these levels. There are no regional or state advisory levels for perchlorate in soils.

To address perchlorate concentrations NSWC Crane is conducting additional sampling to determine if there are additional sources of perchlorate as part of a National Pollutant Discharge Elimination System wastewater permit for Glendora Test Facility and Navy policies. At the demolition range, a retest of the location indicated a lower result than previous lab results. Additional monitoring and sampling is currently planned at other locations.

Outfall 301 which experienced the high detections for wastewater has shown decreasing levels over time and is an internal outfall that is discharged to the Class D treatment facility before being discharged to the environment.